

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number  
**WO 2005/031244 A1**

(51) International Patent Classification<sup>7</sup>: **F41H 5/04**,  
C04B 38/00

(21) International Application Number:  
PCT/DK2004/000655

(22) International Filing Date:  
28 September 2004 (28.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PA 2003 01410 29 September 2003 (29.09.2003) DK

(71) Applicant (for all designated States except US): **DEMEX  
RÅDGIVEN DE INGENIØRER A/S** [DK/DK]; 2, Sorte-  
mosevej, DK-3400 Allerød (DK).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LAURITZEN, Erik**,  
K. [DK/DK]; 16 Egermvej, DK-2000 Frederiksberg F (DK).

(74) Agent: **CHAS. HUDE A/S**; 33, H.C. Andersens Boule-  
vard, DK-1780 Copenhagen V (DK).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

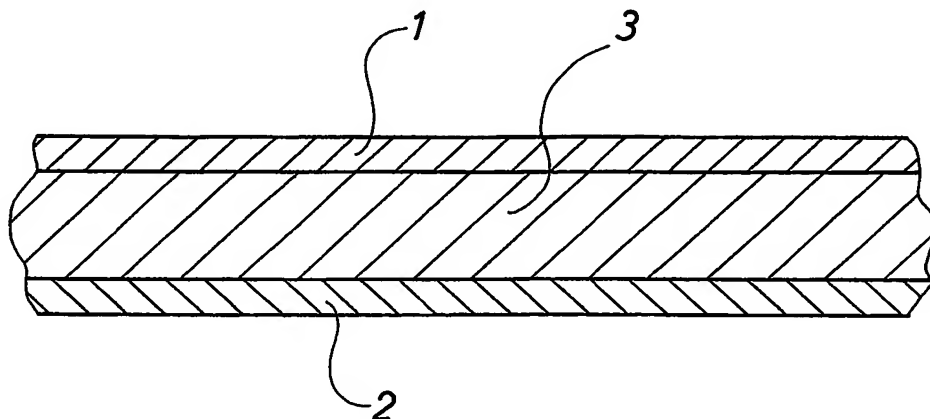
— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: AN ASSEMBLY FOR PROTECTION AGAINST AN EXPLOSION



(57) Abstract: An assembly for protection against explosion in form of a substantially plate-shaped multi-ply element includes two or outer walls (1, 2) and at least one intermediate layer of a ceramic material presenting a density in the range of approximately 0.3 to 1.5 g/cm<sup>3</sup>, a pore diameter in the range of approximately 20 to 120µ and a physical extent in the range of approximately 0.5 to 10mm.